Appendix 6. Measuring stock status.

Following Kleisner *et al.* (2012), we assessed the stock status of the 10 main fish species caught by artisanal and industrial sectors per year. This calculation used the categories of exploitation that were most frequent over the last 10 years of the temporal series, such as developing, exploited, rebuilding, overexploited and collapsed. The score of the stock status variable ranged from 0 (least vulnerable) to 1 (most vulnerable), which we assigned points as follows: developing = 0 points, exploited = 0.4 points, rebuilding = 0.5 points, overexploited = 0.8 points, and collapsed = 1 point.

*Table A6.1: Stock status assessment of the 10 fish species caught along the Brazilian coastline by artisanal and industrial sectors. *These were not identified at the species level, so we used the average value of the categories for the two more frequent species in that state.*

STATES	SPECIES	STOCK STATUS	SCORE
AP	Sciades parkeri	overexploited	0.8
AP	Cynoscion acoupa	exploited	0.4
AP	Sciades couma	exploited	0.4
AP	Coryphaena hippurus	exploited	0.4
AP	Micropogonias furnieri	exploited	0.4
AP	Sciades proops	exploited	0.4
AP	Cynoscion virescens	overexploited	0.8
AP	Megalops atlanticus	rebuilding	0.5
AP	Bagre bagre	exploited	0.4
AP	Lutjanus purpureus	overexploited	0.8
PA	Cynoscion acoupa	exploited	0.4
PA	Sciades parkeri	overexploited	0.8
PA	Scomberomorus brasiliensis	exploited	0.4
PA	Lutjanus purpureus	overexploited	0.8
PA	Sciades proops	exploited	0.4
PA	Cynoscion microlepidotus	exploited	0.4
PA	Sciades herzbergii	overexploited	0.8
PA	Macrodon ancylodon	exploited	0.4
PA	Coryphaena hippurus	exploited	0.4
PA	Sciades couma	exploited	0.4
MA	Cynoscion acoupa	exploited	0.4
MA	Macrodon ancylodon	exploited	0.4

MA	Hexanematichthys herzbergii	overexploited	0.8
MA	Scomberomorus brasiliensis	exploited	0.4
MA	Aspistor quadriscutis	exploited	0.4
MA	Micropogonias furnieri	exploited	0.4
MA	Sciades proops	exploited	0.4
MA	Bagre bagre	exploited	0.4
MA	Cynoscion leiarchus	overexploited	0.8
MA	Genyatremus luteus	overexploited	0.8
PI	Lutjanus synagris	exploited	0.4
PI	Scomberomorus brasiliensis	exploited	0.4
PI	Scomberomorus cavalla	exploited	0.4
PI	Euthynnus alletteratus	exploited	0.4
PI	Ocyurus chrysurus	exploited	0.4
PI	Lutjanus purpureus	overexploited	0.8
PI	Micropogonias furnieri	exploited	0.4
PI	Conodon nobilis	overexploited	0.8
PI	Chloroscombrus chrysurus	exploited	0.4
PI	Lycengraulis grossidens	exploited	0.4
CE	Ocyurus chrysurus	exploited	0.4
CE	Opisthonema oglinum	exploited	0.4
CE	Scomberomorus cavalla	exploited	0.4
CE	Lutjanus synagris	exploited	0.4
CE	Scomberomorus brasiliensis	exploited	0.4
CE	Haemulon plumierii	exploited	0.4
CE	Chloroscombrus chrysurus	exploited	0.4
CE	Carangoides bartholomaei	exploited	0.4
CE	Mycteroperca bonaci	overexploited	0.8
CE	Lutjanus purpureus	overexploited	0.8
RN	Xiphias gladius	exploited	0.4
RN	Thunnus albacares	exploited	0.4
RN	Opisthonema oglinum	exploited	0.4
RN	Hirundichthys affinis	overexploited	0.8
RN	Thunnus obesus	overexploited	0.8
RN	Scomberomorus brasiliensis	exploited	0.4
RN	Prionace glauca	exploited	0.4
RN	Xyrichtys novacula	overexploited	0.8
RN	Haemulon plumierii	exploited	0.4
RN	Ocyurus chrysurus	exploited	0.4
PB	Thunnus albacares	exploited	0.4
PB	Thunnus obesus	overexploited	0.8
PB	Xiphias gladius	exploited	0.4
PB	Thunnus alalunga	overexploited	0.8
PB	Prionace glauca	exploited	0.4

PB	Mugil curema	collapsed	1
PB	Istiophorus platypterus	overexploited	0.8
PB	Centropomus undecimalis	exploited	0.4
PB	Trachinotus falcatus	overexploited	0.8
PB	Scomberomorus brasiliensis	exploited	0.4
PE	Anchovia clupeoides	exploited	0.4
PE	Thunnus albacares	exploited	0.4
PE	Pseudupeneus maculatus	exploited	0.4
PE	Mugil curema	collapsed	1
PE	Opisthonema oglinum	exploited	0.4
PE	Haemulon aurolineatum	rebuilding	0.5
PE	Conodon nobilis	overexploited	0.8
PE	Sparisoma spp_axillare	exploited	0.4
PE	Lutjanus analis	exploited	0.4
PE	Acanthocybium solandri	rebuilding	0.5
AL	Mugil curvidens	exploited	0.4
AL	Opisthonema oglinum	exploited	0.4
AL	Macrodon ancylodon	exploited	0.4
AL	Caranx hippos	exploited	0.4
AL	Diapterus auratus	exploited	0.4
AL	Scomberomorus brasiliensis	exploited	0.4
AL	Balistes vetula	rebuilding	0.5
AL	Scomberomorus cavalla	exploited	0.4
AL	Mugil liza	rebuilding	0.5
AL	Sciades herzbergii	overexploited	0.8
SE	Mugil curema	collapsed	1
SE	Macrodon ancylodon	exploited	0.4
SE	Sciades herzbergii	overexploited	0.8
SE	Anchoviella vaillanti	overexploited	0.8
SE	Caranx hippos	exploited	0.4
SE	Micropogonias furnieri	exploited	0.4
SE	Diapterus rhombeus	overexploited	0.8
SE	Cathorops spixii	overexploited	0.8
SE	Scomberomorus cavalla	exploited	0.4
SE	Conodon nobilis	overexploited	0.8
BA	Sardinella brasiliensis	rebuilding	0.5
BA	Ocyurus chrysurus	exploited	0.4
BA	Opisthonema oglinum	exploited	0.4
BA	Diapterus rhombeus	overexploited	0.8
BA	Cetengraulis edentulus	rebuilding	0.5
BA	Lutjanus jocu	exploited	0.4
BA	Coryphaena hippurus	exploited	0.4
BA	Mycteroperca spp_bonaci	overexploited	0.8

BA	Caranx crysos	exploited	0.4
BA	Pomacanthus paru	exploited	0.4
ES	Coryphaena hippurus	exploited	0.4
ES	Balistes capriscus	overexploited	0.8
ES	Thunnus albacares	exploited	0.4
ES	Ocyurus chrysurus	exploited	0.4
ES	Trachurus lathami	rebuilding	0.5
ES	Pagrus pagrus	rebuilding	0.5
ES	Caranx crysos	exploited	0.4
ES	Katsuwonus pelamis	exploited	0.4
ES	Lutjanus purpureus	overexploited	0.8
ES	Coryphaena hippurus	exploited	0.4
RJ	Sardinella brasiliensis	rebuilding	0.5
RJ	Cetengraulis edentulus	rebuilding	0.5
RJ	Katsuwonus pelamis	exploited	0.4
RJ	Stephanolepis hispidus	collapsed	1
RJ	Scomber colias	collapsed	1
RJ	Micropogonias furnieri	exploited	0.4
RJ	Caranx latus	exploited	0.4
RJ	Thunnus albacares	exploited	0.4
RJ	Opisthonema oglinum	exploited	0.4
RJ	Lophius gastrophysus	overexploited	0.8
SP	Sardinella brasiliensis	rebuilding	0.5
SP	Micropogonias furnieri	exploited	0.4
SP	Cynoscion jamaicensis	overexploited	0.8
SP	Anchoviella lepidentostole	exploited	0.4
SP	Macrodon atricauda	overexploited	0.8
SP	Scomber colias	collapsed	1
SP	Lophius gastrophysus	overexploited	0.8
SP	Xiphias gladius	exploited	0.4
SP	Mugil liza	rebuilding	0.5
SP	Coryphaena hippurus	exploited	0.4
PR	Sardinella brasiliensis	rebuilding	0.5
PR	Harengula clupeola	overexploited	0.8
PR	Chloroscombrus chrysurus	exploited	0.4
PR	Micropogonias furnieri	exploited	0.4
PR	Opisthonema oglinum	exploited	0.4
PR	Cynoscion virescens	overexploited	0.8
PR	Oligoplites spp_saurus_saliens*	collapsed/rebuilding	0.75
PR	Pogonias cromis	collapsed	1
PR	Macrodon atricauda	overexploited	0.8
PR	Mugil liza	rebuilding	0.5
SC	Sardinella brasiliensis	rebuilding	0.5

SC	Katsuwonus pelamis	exploited	0.4
SC	Micropogonias furnieri	exploited	0.4
SC	Opisthonema oglinum	exploited	0.4
SC	Umbrina canosai	exploited	0.4
SC	Prionotus punctatus	exploited	0.4
SC	Urophycis mystacea	exploited	0.4
SC	Cynoscion guatucupa	exploited	0.4
SC	Chloroscombrus chrysurus	exploited	0.4
SC	Mugil liza	rebuilding	0.5
RS	Micropogonias furnieri	exploited	0.4
RS	Umbrina canosai	exploited	0.4
RS	Cynoscion guatucupa	exploited	0.4
RS	Katsuwonus pelamis	exploited	0.4
RS	Macrodon atricauda	overexploited	0.8
RS	Prionotus punctatus	exploited	0.4
RS	Pomatomus saltatrix	collapsed	1
RS	Mugil liza	rebuilding	0.5
RS	Urophycis brasiliensis	exploited	0.4
RS	Thunnus albacares	exploited	0.4